



IRC Equipment Polychlorinated Biphenyl (PCB) Sampling Report

Indianapolis Return Center
3333 N. Franklin Rd.
Indianapolis, IN

Prepared for:

Walmart

Prepared by:

**ENVIRON International Corporation
Tampa, Florida**

Date:

November 11, 2014



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Acronyms and Abbreviations

ALS:	ALS Environmental
cm:	Centimeter
COC:	Chain-of Custody
ENVIRON:	Environ International Corporation
EPA:	Environmental Protection Agency
GC:	Gas Chromatography
HASP:	Health and Safety Plan
IPA:	Isopropyl alcohol
IDEM:	Indiana Department of Environmental Management
ml:	Milliliter
$\mu\text{g}/\text{m}^3$:	Micrograms per cubic meter
$\mu\text{g}/\text{cm}^2$:	Micrograms per square centimeter
NELAP:	National Environmental Laboratory Accreditation Program
OSHA:	Occupational Safety and Health Administration
PCB:	Polychlorinated Biphenyl
ppm:	Parts per million
TSCA:	Toxic Substances Control Act
USEPA:	United States Environmental Protection Agency

1 Introduction

ENVIRON International Corporation (ENVIRON) is pleased to provide this evaluation of Polychlorinated Biphenyl (PCB) Analysis results from sampling various types of equipment at the Indianapolis Return Center (IRC) located at 3333 North Franklin Road in Indianapolis, Indiana. The IRC is a 275,000 square foot warehouse and distribution building on a 14.8-acre parcel located in a mixed land-use area (industrial to the south and east, residential to the north and west) just east of I-465 at the intersection of North Franklin Road and East 33rd Street, Indianapolis (Figure 1).

The objective of the sampling and analysis on the equipment - mobile equipment, fixed equipment, and electronic equipment - was to assess the presence of PCBs on the surfaces of equipment used to move merchandise that had been stored in the building, on the surfaces of equipment used in general maintenance and cleaning in the building, as well on the surfaces of electronic equipment (e.g., computer servers and the barcode scanning system used in the facility). The goals of the sampling were to 1) determine PCB concentrations on exposed surfaces to inform determinations regarding disposition of the equipment, and 2) to determine the extent of dislodgeable particulate material (i.e., dust) containing PCBs on exposed surfaces.

The primary activities of the IRC involve receiving shipments of mixed merchandise returned from various Walmart-related retail operations, sorting this merchandise for various dispositions, and preparing it for shipment to various onward recipients.

The sampling and analysis presented in this report was intended to characterize the potential deposition and adsorption of PCBs from indoor sources at the IRC onto equipment used to move and process merchandise stored at the facility.

This report summarizes the findings of the sampling activities performed at the IRC on September 4 and 5, 2014 and October 23, 2014. The results obtained were compared to current regulatory criteria to provide information regarding the goals listed above.

2 Equipment Sampling Activities

A sampling plan was designed to address the goals described above using wipe samples to collect particulate and loosely adherent PCBs on exposed surfaces. While USEPA's specific regulations for PCBs (40 CFR, Part 761), identify bulk analyses as the relevant form of testing for many materials, the goal of evaluating the equipment was to characterize its potential suitability for reuse. In addition, many portions of the equipment are constructed of materials, including metal, that are routinely characterized using wipe samples per USEPA regulations. For these reasons, wipe samples were collected from the equipment in the building to characterize whether PCBs were present primarily as settled dust on exposed surfaces and to help determine appropriate handling and housekeeping approaches to be implemented in conjunction with potential reuse of the equipment.

Field activities to collect samples from mobile equipment, fixed equipment, and electronic equipment were performed at the IRC on September 4 and 5, 2014 and October 23, 2014, and samples were subsequently shipped for laboratory analysis. The results obtained were compared to current regulatory criteria to provide information regarding the goal listed above.

2.1 Sampling Strategy

The sampling plan was designed to collect samples reflecting a representative group of 1) equipment used to move merchandise that had been stored in the building, 2) equipment used in general maintenance and cleaning in the building, and 3) electronic equipment, such as servers and the barcode scanner system.

The plan included:

- From mobile equipment:
 - 6 wipe samples of equipment used to move merchandise around the building and
 - 1 wipe sample of equipment used in general maintenance and cleaning in the building.
- From fixed equipment:
 - 4 wipe samples of equipment used to move merchandise being sorted in the building and
 - 3 wipe samples of equipment used for processing paper and plastic for recycling.
- From electronic equipment:
 - 15 wipe samples of items from different components of the bar code scanner systems throughout the sorting areas of the facility
 - 4 wipe samples of items associated with the computer servers.

Fixed, mobile, and electronic equipment located in different portions of the facility were selected. Sample locations are shown on Figure 2.

2.2 Sampling Methods

The PCB wipe sampling followed protocols developed by the Occupational Safety and Health Administration (OSHA) and USEPA.

Surface wipe sampling was conducted using the standardized wipe methodology, which provides a quantitative estimate of surface dust and readily desorbed surface content by wiping a known surface area (10 centimeters [cm] x 10 cm square, i.e., 100 square centimeters [cm²]). The surface area sampled for each item was 100 cm². The 100 cm² value approximates the surface area of an adult's palm. Thus, the amount of surficial material in a 100 cm² area could potentially be transferred to a person's hand upon contact.

ENVIRON personnel donned a clean pair of nitrile gloves for each separate wipe sample. A new 10 cm x 10 cm cardboard template was used to define each wiped sample area and also to minimize the potential for cross-contamination. A laboratory-provided gauze pad was used to collect the surface dust sample. The gauze was removed from its packaging and wetted with approximately 1-2 milliliters (ml) of wetting agent (hexane). The pad was then used to wipe the defined area surface using an overlapping "S" pattern in a horizontal direction. The wipe was folded in half, used side in, and the defined area was wiped using an overlapping "S" pattern in a vertical direction. The wipe was folded, used side in, and placed in a pre-cleaned 30-ml glass vial provided by the laboratory. Sample containers were labeled and packed on ice for shipment to the laboratory.

For quality control purposes, blank samples were collected and submitted for PCB analysis during our investigations. ENVIRON collected 2 blank wipe samples: 1 field blank of unwetted gauze and 1 equipment blank of gauze wetted with hexane. A duplicate sample was also collected, from one of the sample locations of the electronic equipment, a printer connected to the bar code scanning system.

Samples were recorded on chain-of-custody (COC) documentation and submitted under chain-of-custody protocol to ALS Environmental (ALS) in Salt Lake City, Utah. PCB analysis for wipe samples using EPA method 8082 by Gas Chromatography (GC) was conducted at this location. ALS is certified under the National Environmental Laboratory Accreditation Program (NELAP).

2.3 Investigation Derived Waste

Waste generated during sample collection was contained in a 55-gallon drum. The drum was labeled, sealed, and stored onsite in the southeast corner of the building pending receipt of analytical results to evaluate disposal options.

2.4 Health and Safety

All field activities were performed in accordance with a site-specific health and safety plan (HASP) developed for this Facility. The HASP was prepared in accordance with 29 CFR, 1910.120 to ensure that field work implemented by the ENVIRON project team was in accordance with applicable health and safety protocols.

3 Sampling Results

Results from ENVIRON's September and October 2014 field activities are summarized and provided in the tables below. The locations of the detected PCB concentrations are also shown on Figure 2.

Samples were analyzed for PCBs as Aroclor mixtures. The only Aroclor profile match reported was for Aroclor 1260. All results discussed below were reported as concentrations of Aroclor 1260.

3.1 Surface Wipe Sampling of Mobile Equipment

ENVIRON collected surface wipe samples from 7 pieces of mobile equipment associated with moving merchandise around the building and in general maintenance and cleaning in the building. These samples included representative samples of exposed exterior surfaces from mobile equipment located in various areas of the facility. The results of these samples are as follows:

- All 7 samples had detectable surficial PCBs matching the Aroclor 1260 profile, ranging from (0.11 – 0.73 $\mu\text{g}/100\text{ cm}^2$).

The samples with detectable levels of surficial PCBs included exposed parts from pallet jacks, fork lifts, and the floor sweeper. (Table 1). The detection limit reported for wipe samples was 0.1 $\mu\text{g}/\text{wipe}$, corresponding to 0.1 $\mu\text{g}/100\text{ cm}^2$.

Table 1: Summary of PCB Wipe Sampling Results on Mobile Equipment

Sample No.	Description of Item	Aroclor 1260 ($\mu\text{g}/100\text{ cm}^2$)
090514-W-055	Pallet jack PE24, top of battery 124	0.22
090514-W-056	Pallet jack PE29, on the fork	0.17
090514-W-057	Pallet jack PE13, foot board	0.69
090514-W-058	Fork lift 32 - foot pedal	0.39
090514-W-059	Fork lift 37 - left fork	0.73
090514-W-060	Fork lift Nissan 40, propane powered fork lift, rubber wheels, seated operator	0.11
090514-W-063	Floor sweeper, top of "wheel well" near the front brushes	0.14

PCBs were detected in all 7 of wipe samples from the mobile equipment. The locations of the items with detectable PCB concentrations from wipe samples are shown on Figure 2.

3.2 Surface Wipe Sampling of Fixed Equipment

ENVIRON collected surface wipe samples from 7 pieces of fixed equipment associated with moving merchandise being sorted in the building and for processing boxes and plastic for recycling. These samples included representative samples of exposed exterior surfaces from fixed equipment located in various areas of the facility. The results of these samples are as follows:

- All 7 samples had detectable surficial PCBs matching the Aroclor 1260 profile, and ranging from (0.22 – 3.2 µg/100 cm²).

The samples with detectable levels of surficial PCBs included exposed parts from the conveyor system, the bailer, and the compressor. (Table 2). The detection limit reported for wipe samples was 0.1 µg/wipe, corresponding to 0.1 µg/100 cm².

Table 2: Summary of PCB Wipe Sampling Results on Fixed Equipment

Sample No.	Description of Item	Aroclor 1260 (µg/100cm ²)
090514-W-061	Conveyor system, west side of outer railing	2.7
090514-W-062	Conveyor system, west side of outer railing - farther north from W-061	3.2
090514-W-066	Conveyor system, first loading area	0.22
090514-W-068	Conveyor system, shelf under conveyor	1.4
090514-W-064	Bailer, near motor/hydraulics systems	0.52
090514-W-065	Bailer, along rails	1.7
090514-W-067	Air compressor, top surface	0.42

PCBs were detected in all 7 of wipe samples from fixed equipment. The locations of the items with detectable PCB concentrations from wipe samples are shown on Figure 2.

3.3 Surface Wipe Sampling of Electronic Equipment

ENVIRON collected surface wipe samples from 19 pieces of electronic equipment including servers and the barcode scanner system. These samples included representative samples of

exposed exterior surfaces from equipment located in various areas of the facility. The results included:

- 8 out of 19 pieces of equipment sampled did not have detectable levels of surficial PCBs (i.e., $< 0.1 \mu\text{g}/100 \text{ cm}^2$).
- Samples from 11 pieces of equipment had detectable surficial PCBs matching the Aroclor 1260 profile and ranging from $(0.11 - 0.94 \mu\text{g}/100 \text{ cm}^2)$.

The samples with detectable levels of surficial PCBs included exposed parts from the printers, computers, scanner pads, keyboards, servers, and server racks. (Table 3). The detection limit reported for wipe samples was $0.1 \mu\text{g}/\text{wipe}$, corresponding to $0.1 \mu\text{g}/100 \text{ cm}^2$.

Table 3: Summary of Detected PCB Wipe Sampling Results on Electronic Equipment

Sample No.	Description of Item	Aroclor 1260 ² ($\mu\text{g}/100\text{cm}^2$)
102314-03 102314-04	Printer (A5) – duplicate samples	0.89 0.84
102314-05	Computer (Recall 7)	0.27
102314-06	Scanner pad	0.11
102314-07	Printer	0.94
102314-08	Scanner pad	0.21
102314-13	Printer (N8)	0.92
102314-14	Printer	0.46
102314-16	Keyboard (NR2)	0.27
102314-28	Server	0.12
102314-29	Server rack	0.28
102314-30	Server rack	0.19

Approximately 42% of the sampled electronic did not have detectable levels of loose surficial particulate containing PCBs, or PCBs that were loosely adherent to the surface and extractable via the wiping procedure. The locations of the items with detectable PCB concentrations from wipe samples are shown on Figure 2.

4 Interpretations and Conclusions

The sampling of equipment was conducted to evaluate potential regulatory requirements of materials relating to USEPA's PCB regulations (40 CFR, Part 761) and to determine the potential to relocate and reuse the equipment. The wipe samples provided information regarding the particulate and loosely adherent PCBs on the surfaces of different types of equipment in the facility. This information is useful for characterizing housekeeping procedures to implement in conjunction with preparing the equipment to be moved.

4.1 Surface Wipe Sampling of Mobile Equipment

In the context of designating PCB cleanups as complete and for characterizing non-porous materials with regard to management under 40 CFR, Part 761, EPA specifies a criterion of 10 $\mu\text{g}/100\text{ cm}^2$.

With a maximum detected level of 0.73 $\mu\text{g}/100\text{ cm}^2$ found for surfaces on mobile equipment, the surficial conditions can be generally characterized as not having elevated PCB-containing dust content that would trigger any type of specialized management.

These results support the conclusion that there is no indication mobile equipment in the IRC contain PCB concentrations requiring management under federal PCB regulations due to adsorption of PCBs or particulate deposition from indoor sources at the IRC. Disassembly, to the extent needed, and relocation could be implemented using standard housekeeping approaches such as wiping down surfaces or using standard commercial cleaning products to remove oil and grease or debris.

4.2 Surface Wipe Sampling of Fixed Equipment

In the context of designating PCB cleanups as complete and for characterizing non-porous materials with regard to management under 40 CFR, Part 761, EPA specifies a criterion of 10 $\mu\text{g}/100\text{ cm}^2$.

With a maximum detected level of 3.2 $\mu\text{g}/100\text{ cm}^2$ found for surfaces on fixed equipment, the surficial conditions can be generally characterized as not having elevated PCB-containing dust content that would trigger any type of specialized management.

These results support the conclusion that there is no indication fixed equipment in the IRC contain PCB concentrations requiring management under federal PCB regulations due to adsorption of PCBs or particulate deposition from indoor sources at the IRC. Disassembly and relocation could be implemented using standard housekeeping approaches such as wiping down surfaces or using standard commercial cleaning products to remove oil and grease or debris.

4.3 Surface Wipe Sampling of Electronic Equipment

In the context of designating PCB cleanups as complete and for characterizing non-porous materials with regard to management under 40 CFR, Part 761, EPA specifies a criterion of 10 $\mu\text{g}/100\text{ cm}^2$.

With a maximum detected level of 0.94 µg/100 cm² found for surfaces on electronic equipment, the surficial conditions can be generally characterized as not having elevated PCB-containing dust content that would trigger any type of specialized management.

These results support the conclusion that there is no indication electronic equipment in the warehouse area of the IRC contains PCB concentrations requiring management under federal PCB regulations due to adsorption of PCBs or particulate deposition from indoor sources at the IRC. Relocation could be implemented using standard housekeeping approaches such as wiping down surfaces or using standard commercial cleaning products intended for computer devices.

4.4 Conclusions

Samples from the mobile, fixed, and electronic equipment used at the IRC were collected using a sampling plan designed to obtain a representative characterization of potential PCB transfer from indoor sources at the building to equipment used to move and process merchandise at the building, other equipment used for cleaning or materials recycling, and the computerized barcode scanning system used in the sorting areas. The sampling program evaluated loose surficial material (i.e., dust) on items using wipe samples.

The wipe sampling results show that settled dust or particulate matter is not prevalent creating PCB concentrations requiring special management on mobile or fixed equipment used in the warehouse functions or the electronic equipment used in the sorting functions at the facility. Wipe sample results showed detectable levels of PCBs; however, the few detected sample results were very low in PCB content on the surficial area of the tested items. PCBs remain ubiquitous in the environment and the low levels found on the equipment do not suggest PCB impacts indicative of a spill or release of unusual materials.

Figures

L:\Loop Project Files\00_CAD FILES\05\K&E_Indianapolis Return Center 2534718A\01_Site Location Map.dwg



AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH



SITE LOCATION MAP
3333 NORTH FRANKLIN ROAD
INDIANAPOLIS, INDIANA

DRAFTED BY: CKL

DATE: 11/3/14

FIGURE
1

PROJECT

L:\Loop Project Files\00_CAD FILES\25\K&E_Indianapolis Return Center 2534718A\02_Wipe Sample Locations and Results - Mobile, Fixed, and Computer Equipment.dwg



WIPE SAMPLE LOCATIONS AND RESULTS - MOBILE, FIXED, AND COMPUTER EQUIPMENT
3333 NORTH FRANKLIN ROAD
INDIANAPOLIS, INDIANA

FIGURE
2

DRAFTED BY: CKL

DATE: 11/3/14

25-34718A

Appendix A

Tabulation of Testing Results

Wipe Samples - Mobile Equipment

Sample Number	Sample Location	Item Sampled	Analytical Result Aroclor 1260 ($\mu\text{g}/100\text{ cm}^2$)	Detection Limit Aroclor 1260 ($\mu\text{g}/100\text{ cm}^2$)	Notes
090414-W-030	BLANK	FIELD BLANK	ND	0.1	FIELD BLANK
090514-W-055	Pallet jack	Pallet jack PE24, top of battery 124	0.22	0.1	Mobile equipment
090514-W-056	Pallet jack	Pallet jack PE29, on the fork	0.17	0.1	Mobile equipment
090514-W-057	Pallet jack	Pallet jack PE13, foot board	0.69	0.1	Mobile equipment
090514-W-058	Fork lift	Fork lift 32 - foot pedal	0.39	0.1	Mobile equipment
090514-W-059	Fork lift	Fork lift 37 - left fork	0.73	0.1	Mobile equipment
090514-W-060	Fork lift	Fork lift Nissan 40, propane powered fork lift, rubber wheels, seated operator	0.11	0.1	Mobile equipment
090514-W-063	Floor cleaner	Floor cleaner, top of "wheel well" near the front brushes	0.14	0.1	Mobile equipment
090514-W-070	BLANK	EQUIPMENT BLANK wetted clean gauze with hexane	ND	0.1	EQUIPMENT BLANK

Wipe Samples - Fixed Equipment

Sample Number	Sample Location	Item Sampled	Analytical Result Aroclor 1260 ($\mu\text{g}/100\text{ cm}^2$)	Detection Limit Aroclor 1260 ($\mu\text{g}/100\text{ cm}^2$)	Notes
090414-W-030	BLANK	FIELD BLANK	ND	0.1	FIELD BLANK
090514-W-061	Conveyor system, near battery recharge area	Conveyor wipe, west side of outer railing	2.7	0.1	Fixed equipment
090514-W-062	Conveyor system, near battery recharge area	Conveyor wipe, west side of outer railing - farther north from W-061	3.2	0.1	Fixed equipment
090514-W-064	Bailer	Bailer, near motor/hydraulics systems	0.52	0.1	Fixed equipment
090514-W-065	Bailer	Bailer, along rails	1.7	0.1	Fixed equipment
090514-W-066	Conveyor system in the receiving area	Conveyor system, first loading area	0.22	0.1	Fixed equipment
090514-W-067	Compressor (new looking blue units)	Compressor, top of Quincy compressor	0.42	0.1	Fixed equipment
090514-W-068	Conveyor system, along north wall of building	Conveyor system, shelf under conveyor	1.4	0.1	Fixed equipment
090514-W-070	BLANK	EQUIPMENT BLANK wetted clean gauze with hexane	ND	0.1	EQUIPMENT BLANK

Wipe Samples - Electronic Equipment

Sample Number	Sample Location	Item Sampled	Analytical Result Aroclor 1260 ($\mu\text{g}/100\text{ cm}^2$)	Detection Limit Aroclor 1260 ($\mu\text{g}/100\text{ cm}^2$)	Notes
102314-01	Center of Modules 1 and 2	Computer tower	ND	0.1	Electronic equipment
102314-02	Center of Modules 1 and 2	Computer screen (R13)	ND	0.1	Electronic equipment
102314-03	South side Module 3	Printer (A5)	0.84	0.1	Electronic equipment
102314-04	South side Module 3	DUPLICATE sample of 03	0.27	0.1	FIELD DUPLICATE (03) Electronic equipment
102314-05	Center of Modules 4 and 5	Computer (Recall 7)	0.89	0.1	Electronic equipment
102314-06	Overstock	Scanner pad	0.11	0.1	Electronic equipment
102314-07	Overstock	Printer	0.94	0.1	Electronic equipment
102314-08	Cosmetics station 5	Scanner pad	0.21	0.1	Electronic equipment
102314-09	RTV Videos/Books	Keyboard	ND	0.1	Electronic equipment
102314-10	West of RTV Videos/Books	Scanner gun (N13)	ND	0.1	Electronic equipment
102314-11	Non-Conveyorable	Computer screen (N2)	ND	0.1	Electronic equipment
102314-12	TV Land	Fan	ND	0.1	Electronic equipment
102314-13	TV Land	Printer (N8)	0.92	0.1	Electronic equipment
102314-14	East of Module 1	Printer	0.46	0.1	Electronic equipment
102314-15	Overstock	Scanner pad (Station P, 16)	ND	0.1	Electronic equipment
102314-16	Non-Conveyorable Recall	Keyboard (NR2)	0.27	0.1	Electronic equipment
102314-27	Data server room	Server	ND	0.1	Electronic equipment
102314-28	Data server room	Server	0.12	0.1	Electronic equipment
102314-29	Data server room	Server rack	0.28	0.1	Electronic equipment
102314-30	Data server room	Server rack	0.19	0.1	Electronic equipment
102314-31	BLANK	EQUIPMENT BLANK	ND	0.1	EQUIPMENT BLANK

Appendix B

Laboratory Analyses



Case Narrative

Analysis: 8082 for Aroclors
Preparation SOP #: OE-SW-3550
Analysis SOP #: OP-SW-8082
W/O: 1424801
HBN: 134335, 134334, 134371, 134390, 134394

Client: Environ Corporation
Matrix: Wipe

General Set Information: The field samples were received and batched for analysis.

Method Summary: Method 8082 was used to determine the concentrations of various Aroclors using dual capillary columns with electron capture detectors.

Sample Preparation: Each wipe was extracted with 10 ml hexane.

Holding Times: Holding time requirements were met for both sample preparation and analysis.

Dilutions: Samples 1424801056 (100x) and 1424801057 (100x) were reported from dilutions to get aroclor 1260 within calibration range.

Method and Sample QC data:

Method Blank(s): Method analytes were not detected in the method blank at levels above 1/2 lower reporting limit.

Surrogates: All surrogate recoveries were within established limits.

Laboratory Control Samples: All recoveries were within established limits.

Matrix Spike and Matrix Spike Duplicate: MS and MSD were not required.

Instrument QC:

Initial Calibration Verification: All initial calibration verification standards passed the percent difference criteria described in 8000B (rev. 1, Dec 1996).

Continuing Calibration Verification: All continuing calibration verification standards passed the percent difference criteria described in 8000B (rev. 1, Dec 1996)

NC/CAR: None.

Case Narrative

Analysis: 8082 for Aroclors
Preparation SOP #: OE-SW-3550
Analysis SOP #: OP-SW-8082
W/O: 1425222
HBN: 134548

Client: Environ Corporation
Matrix: Wipe

General Set Information: The field samples were received and batched for analysis.

Method Summary: Method 8082 was used to determine the concentrations of various Aroclors using dual capillary columns with electron capture detectors.

Sample Preparation: Each wipe was extracted with 10 ml hexane.

Holding Times: Holding time requirements were met for both sample preparation and analysis.

Dilutions: no dilutions were required.

Method and Sample QC data:

Method Blank(s): Method analytes were not detected in the method blank at levels above 1/2 lower reporting limit.

Surrogates: All surrogate recoveries were within established limits.

Laboratory Control Samples: Aroclor 1232 failed low on both the LCS and LCSD. NC/CAR 0836 was initiated.

Matrix Spike and Matrix Spike Duplicate: MS and MSD were not required.

Instrument QC:

Initial Calibration Verification: All initial calibration verification standards passed the percent difference criteria described in 8000B (rev. 1, Dec 1996).

Continuing Calibration Verification: All continuing calibration verification standards passed the percent difference criteria described in 8000B (rev. 1, Dec 1996)

NC/CAR: 0836



ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Case Narrative

Sample Calculation: The Aroclors concentrations were determined by using average calibration factors and peak area. Surrogate concentrations were determined by interpolations from 2nd order regressions of standard responses (peak area) vs. concentrations. Final concentrations in ug/Wipe from the equation:

$$C_s = \frac{C_E \cdot V_E \cdot DF}{V_s}$$

where

C_s	=	Analyte concentration in sample (ug/Wipe)
C_E	=	Analyte concentration in extract (ug/mL)
V_E	=	Final volume of extract (mL)
DF	=	Dilution Factor
V_s	=	Wipe sample.

Miscellaneous Comments: None.

Jessica Helland, Chemist, 09/10/2014



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: <u>090514-W-055</u>		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222001		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.22	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.22	0.10	1		

Sample ID: <u>090514-W-056</u>		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222002		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.17	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.17	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: 090514-W-057		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222003		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.69	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.69	0.10	1		

Sample ID: 090514-W-058		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222004		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.39	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.39	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: 090514-W-059		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222005		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.73	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.73	0.10	1		

Sample ID: 090514-W-060		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222006		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.11	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.11	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: <u>090514-W-061</u>		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222007		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	2.7	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	2.7	0.10	1		

Sample ID: 090514-W-062		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222008		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		Weight/Volume	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	3.2	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	3.2	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: 090514-W-063		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222009		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		Weight/Volume	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.14	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.14	0.10	1		

Sample ID: 090514-W-064		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222010		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		Weight/Volume	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.52	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.52	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: 090514-W-065		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222011		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	1.7	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	1.7	0.10	1		

Sample ID: 090514-W-066		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222012		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.22	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.22	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: 090514-W-067		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222013		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		Weight/Volume	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	0.42	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	0.42	0.10	1		

Sample ID: 090514-W-068		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222014		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		Weight/Volume	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	1.4	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	1.4	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: 090514-W-070		Sampling Site: Indianapolis, IN		Collected: 09/05/2014	
Lab ID: 1425222016		Media: Wipe		Received: 09/06/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		Weight/Volume	Analysis: SW 8082, Wipe		Instrument ID: GCE30
Batch: ENVX/19866 (HBN: 134426)		Initial: 1 wipe	Batch: EGC/5239 (HBN: 134548)		Percent Solid: NA
Prepared: 09/09/2014		Final: 10 mL	Analyzed: 09/09/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	ND	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	ND	0.10	1		

Comments

Quality Control: SW 8082 - (HBN: 134548)

Aroclor 1232 fails low in both the LCS and LCSD. (72.6 and 74.1 respectively) The lower limit is 75. All instrument QC passes. Samples are wipes and cannot be re-extracted. NC/CAR 836 was initiated.



ANALYTICAL REPORT

Workorder: **34-1425222**

Client: Environ Corporation

Project Manager: Paul E. Pope

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method	Analyst	Peer Review
SW 8082	/S/ Jessica Helland 09/10/2014 12:09	/S/ Mila V. Potekhin 09/10/2014 14:09

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: als@alt.lab@ALSGlobal.com
Web: www.alssl.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACCLASS (DoD ELAP) Utah (NELAC) Nevada Oklahoma Iowa Florida (TNI) Texas (TNI)	ADE-1420 DATA1 UT00009 UT00009 IA# 376 E871067 T104704456-11-1	http://www.aiclasscorp.com http://health.utah.gov/lab/labimp/ http://ndep.nv.gov/bsdwlabservice.htm http://www.deq.state.ok.us/CSDnew/ http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx http://www.dep.state.fl.us/labs/bars/sas/qa/ http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing: CPSC Soil, Dust, Paint ,Air	ACCLASS (ISO 17025, CPSC) AIHA (ISO 17025, AIHA ELLAP and NLLAP)	ADE-1420 101574	http://www.aiclasscorp.com http://www.aihaaccreditedlabs.org
Dietary Supplements	ACCLASS (ISO 17025)	ADE-1420	http://www.aiclasscorp.com



ANALYTICAL REPORT

Workorder: 34-1425222

Client: Environ Corporation

Project Manager: Paul E. Pope

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.

RL = Reporting Limit, a verified value of method/media/instrument sensitivity.

CRDL = Contract Required Detection Limit

Reg. Limit = Regulatory Limit.

ND = Not Detected, testing result not detected above the MDL or RL.

< This testing result is less than the numerical value.

** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.

J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

B = Qualifier indicates that the analyte was detected in the blank.

E = Qualifier indicates that the analyte result exceeds calibration range.

P = Qualifier indicates that the RPD between the two columns is greater than 40%.



Quality Control Sample Batch Report

Analysis Information

Workorder: 1425222

Limits: Historical/Performance

Basis: ALS Laboratory Group

Preparation: EPA 3550, Sonic Ext, Wipe

Batch: ENVX/19866 (HBN: 134426)

Prepared By: Joseph Gress

Analysis: SW 8082

Batch: EGC/5239 (HBN: 134548)

Analyzed By: Jessica Helland

Blank

MB: 410435 Analyzed: 09/09/2014 00:00 Units: ug/sample			
Analyte	Result	MDL	RL
Aroclor 1016	ND	0.0252	0.100
Aroclor 1260	ND	0.0224	0.100
Aroclor 1221	ND	0.0304	0.200
Aroclor 1232	ND	0.0129	0.100
Aroclor 1242	ND	0.00612	0.100
Aroclor 1248	ND	0.0157	0.100
Aroclor 1254	ND	0.0113	0.100
Aroclor 1268	ND	NA	0.100
Aroclor 1262	ND	NA	0.100

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 410436 Analyzed: 09/09/2014 00:00 Dilution: 1 Units: ug/sample						LCSD: 410437 Analyzed: 09/09/2014 00:00 Dilution: 1 Units: ug/sample				
Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Aroclor 1221	4.09	5.00	81.8	75.0	125.0	4.11	82.2	0.417	0.0	35.0
Aroclor 1232	3.63	5.00	* 72.6	75.0	125.0	3.71	* 74.1	2.10	0.0	35.0
Aroclor 1016	3.96	5.00	79.1	75.0	129.3	3.98	79.5	0.522	0.0	35.0
Aroclor 1242	4.03	5.00	80.5	75.0	125.0	4.03	80.6	0.0497	0.0	35.0
Aroclor 1248	4.12	5.00	82.5	75.0	125.0	4.15	83.0	0.595	0.0	35.0
Aroclor 1254	3.88	5.00	77.7	75.0	125.0	3.90	78.0	0.444	0.0	35.0
Aroclor 1260	4.02	5.00	80.4	67.7	129.9	4.04	80.8	0.511	0.0	35.0
Aroclor 1262	4.35	5.00	87.1	75.0	125.0	4.38	87.7	0.707	0.0	35.0
Aroclor 1268	4.66	5.00	93.2	75.0	125.0	4.72	94.4	1.19	0.0	35.0

Surrogate Recoveries

Surrogate	Tetrachloro-m-xylene		
QC Limits	55.8	153.9	
Units	ug/sample		
Lab ID	Result	Target	% Recovery
1425222005	0.520	0.500	104
1425222009	0.505	0.500	101
410437-LCSD	0.430	0.500	86.1
1425222008	0.526	0.500	105
1425222004	0.452	0.500	90.5
410436-LCS	0.426	0.500	85.1
1425222013	0.553	0.500	111



Quality Control Sample Batch Report

Analysis Information

Workorder: 1425222

Limits: Historical/Performance

Basis: ALS Laboratory Group

Preparation: EPA 3550, Sonic Ext, Wipe

Batch: ENVX/19866 (HBN: 134426)

Prepared By: Joseph Gress

Analysis: SW 8082

Batch: EGC/5239 (HBN: 134548)

Analyzed By: Jessica Helland

Surrogate Recoveries

Surrogate	Tetrachloro-m-xylene		
QC Limits	55.8	153.9	
Units	ug/sample		
Lab ID	Result	Target	% Recovery
1425222007	0.509	0.500	102
1425222001	0.430	0.500	86.1
1425222002	0.429	0.500	85.8
410435-MB	0.435	0.500	87.0
1425222011	0.567	0.500	113
1425222015	0.526	0.500	105
1425222003	0.426	0.500	85.2
1425222016	0.552	0.500	110
1425222014	0.560	0.500	112
1425222006	0.466	0.500	93.1
1425222010	0.507	0.500	101
1425222012	0.550	0.500	110



Quality Control Sample Batch Report

Analysis Information

Workorder: 1425222

Limits: Historical/Performance

Basis: ALS Laboratory Group

Preparation: EPA 3550, Sonic Ext, Wipe

Batch: ENVX/19866 (HBN: 134426)

Prepared By: Joseph Gress

Analysis: SW 8082

Batch: EGC/5239 (HBN: 134548)

Analyzed By: Jessica Helland

Comments

Aroclor 1232 fails low in both the LCS and LCSD. (72.6 and 74.1 respectively) The lower limit is 75. All instrument QC passes. Samples are wipes and cannot be re-extracted. NC/CAR 836 was initiated.

QC Data Approved and Reviewed by

Jessica Helland

Analyst

Mila V. Potekhin

Peer Review

9/10/2014

Date

Symbols and Definitions

- * - Analyte above reporting limit or outside of control limits
- ▲ - Sample result is greater than 4 times the spike added
- - Sample and Matrix Duplicate less than 5 times the reporting limit

RPD - Relative % Difference (Spike / Spike Duplicate)

ND - Not Detected (U - Qualifier also flags analyte as not detected)

NA - Not Applicable

QC results are not adjusted for moisture correction, where applicable



Environmental Division

Case Narrative


Sample Calculation: The Aroclors concentrations were determined by using average calibration factors and peak area. Surrogate concentrations were determined by interpolations from 2nd order regressions of standard responses (peak area) vs. concentrations. Final concentrations in ug/Wipe from the equation:

$$C_s = \frac{C_E \cdot V_E \cdot DF}{V_s}$$

where

C_s	=	Analyte concentration in sample (ug/Wipe)
C_E	=	Analyte concentration in extract (ug/mL)
V_E	=	Final volume of extract (mL)
DF	=	Dilution Factor
V_s	=	Wipe sample.

Miscellaneous Comments: None.



Jessica Helland, Chemist, 09/09/2014



ANALYTICAL REPORT

Workorder: **34-1424801**

Client: Environ Corporation

Project Manager: Paul E. Pope

Analytical Results

Sample ID: 090414-W-030		Sampling Site: Indianapolis, IN		Collected: 09/04/2014	
Lab ID: 1424801030		Media: Wipe		Received: 09/05/2014	
Matrix: Wipe		Sampling Parameter: Volume 100 cm²			
Analysis Method - SW 8082					
Preparation: EPA 3550, Sonic Ext, Wipe		<u>Weight/Volume</u>	Analysis: SW 8082, Wipe		Instrument ID: GCE03
Batch: ENVX/19840 (HBN: 134228)		Initial: 1 wipe	Batch: EGC/5226 (HBN: 134334)		Percent Solid: NA
Prepared: 09/05/2014		Final: 10 mL	Analyzed: 09/07/2014 00:00		Report Basis: Wet
Analyte	ug/sample	RL (ug/sample)	Dilution	Qual.	
Aroclor 1016	ND	0.10	1		
Aroclor 1260	ND	0.10	1		
Aroclor 1221	ND	0.20	1		
Aroclor 1232	ND	0.10	1		
Aroclor 1242	ND	0.10	1		
Aroclor 1248	ND	0.10	1		
Aroclor 1254	ND	0.10	1		
Aroclor 1268	ND	0.10	1		
Aroclor 1262	ND	0.10	1		
Total PCBs	ND	0.10	1		



ANALYTICAL REPORT

Workorder: **34-1424801**

Client: Environ Corporation

Project Manager: Paul E. Pope

Laboratory Contact Information

ALS Environmental
960 W Levoe Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alssl.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACCLASS (DoD ELAP)	ADE-1420	http://www.aiclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdwlabservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACCLASS (ISO 17025, CPSC)	ADE-1420	http://www.aiclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACCLASS (ISO 17025)	ADE-1420	http://www.aiclasscorp.com



ANALYTICAL REPORT

Workorder: 34-1424801

Client: Environ Corporation

Project Manager: Paul E. Pope

Result Symbol Definitions

MDL = Method Detection Limit, a statistical estimate of method/media/instrument sensitivity.

RL = Reporting Limit, a verified value of method/media/instrument sensitivity.

CRDL = Contract Required Detection Limit

Reg. Limit = Regulatory Limit.

ND = Not Detected, testing result not detected above the MDL or RL.

< This testing result is less than the numerical value.

** No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U = Qualifier indicates that the analyte was not detected above the MDL.

J = Qualifier Indicates that the analyte value is between the MDL and the RL. It is also used to indicate an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

B = Qualifier indicates that the analyte was detected in the blank.

E = Qualifier indicates that the analyte result exceeds calibration range.

P = Qualifier indicates that the RPD between the two columns is greater than 40%.

Client: ENVIRON International Corp.
Project: Indianapolis, IN
WorkOrder: 14101470

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
µg/wipe	Micrograms per Wipe

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-01
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-01
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 01:27 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 01:27 PM
Surr: Decachlorobiphenyl	112		40-140	%REC	1	10/26/14 01:27 PM
Surr: Tetrachloro-m-xylene	108		40-140	%REC	1	10/26/14 01:27 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 31-Oct-14**Client:** ENVIRON International Corp.**Project:** Indianapolis, IN**Work Order:** 14101470**Sample ID:** 102314-02**Lab ID:** 14101470-02**Collection Date:** 10/23/14**Matrix:** WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 01:44 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 01:44 PM
Surr: Decachlorobiphenyl	117		40-140	%REC	1	10/26/14 01:44 PM
Surr: Tetrachloro-m-xylene	111		40-140	%REC	1	10/26/14 01:44 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-03
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-03
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1260	0.89		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 02:00 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 02:00 PM
PCBs, Total	0.89		0.10	µg/wipe	1	10/26/14 02:00 PM
Surr: Decachlorobiphenyl	112		40-140	%REC	1	10/26/14 02:00 PM
Surr: Tetrachloro-m-xylene	111		40-140	%REC	1	10/26/14 02:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-04
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-04
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1260	0.84		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 02:16 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 02:16 PM
PCBs, Total	0.84		0.10	µg/wipe	1	10/26/14 02:16 PM
Surr: Decachlorobiphenyl	119		40-140	%REC	1	10/26/14 02:16 PM
Surr: Tetrachloro-m-xylene	114		40-140	%REC	1	10/26/14 02:16 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-05
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-05
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1260	0.27		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 02:32 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 02:32 PM
PCBs, Total	0.27		0.10	µg/wipe	1	10/26/14 02:32 PM
Surr: Decachlorobiphenyl	119		40-140	%REC	1	10/26/14 02:32 PM
Surr: Tetrachloro-m-xylene	112		40-140	%REC	1	10/26/14 02:32 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-06
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-06
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1260	0.11		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 02:48 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 02:48 PM
PCBs, Total	0.11		0.10	µg/wipe	1	10/26/14 02:48 PM
Surr: Decachlorobiphenyl	116		40-140	%REC	1	10/26/14 02:48 PM
Surr: Tetrachloro-m-xylene	109		40-140	%REC	1	10/26/14 02:48 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-07
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-07
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1260	0.94		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 03:04 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 03:04 PM
PCBs, Total	0.94		0.10	µg/wipe	1	10/26/14 03:04 PM
Surr: Decachlorobiphenyl	112		40-140	%REC	1	10/26/14 03:04 PM
Surr: Tetrachloro-m-xylene	110		40-140	%REC	1	10/26/14 03:04 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-08
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-08
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1260	0.21		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 03:21 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 03:21 PM
PCBs, Total	0.21		0.10	µg/wipe	1	10/26/14 03:21 PM
Surr: Decachlorobiphenyl	114		40-140	%REC	1	10/26/14 03:21 PM
Surr: Tetrachloro-m-xylene	111		40-140	%REC	1	10/26/14 03:21 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-09
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-09
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 03:53 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 03:53 PM
Surr: Decachlorobiphenyl	119		40-140	%REC	1	10/26/14 03:53 PM
Surr: Tetrachloro-m-xylene	111		40-140	%REC	1	10/26/14 03:53 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-10
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-10
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 04:09 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 04:09 PM
Surr: Decachlorobiphenyl	116		40-140	%REC	1	10/26/14 04:09 PM
Surr: Tetrachloro-m-xylene	109		40-140	%REC	1	10/26/14 04:09 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 31-Oct-14**Client:** ENVIRON International Corp.**Project:** Indianapolis, IN**Work Order:** 14101470**Sample ID:** 102314-11**Lab ID:** 14101470-11**Collection Date:** 10/23/14**Matrix:** WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 04:25 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 04:25 PM
Surr: Decachlorobiphenyl	115		40-140	%REC	1	10/26/14 04:25 PM
Surr: Tetrachloro-m-xylene	108		40-140	%REC	1	10/26/14 04:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 31-Oct-14**Client:** ENVIRON International Corp.**Project:** Indianapolis, IN**Work Order:** 14101470**Sample ID:** 102314-12**Lab ID:** 14101470-12**Collection Date:** 10/23/14**Matrix:** WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 04:42 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 04:42 PM
Surr: Decachlorobiphenyl	114		40-140	%REC	1	10/26/14 04:42 PM
Surr: Tetrachloro-m-xylene	110		40-140	%REC	1	10/26/14 04:42 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-13
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-13
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1260	0.92		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 04:58 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 04:58 PM
PCBs, Total	0.92		0.10	µg/wipe	1	10/26/14 04:58 PM
Surr: Decachlorobiphenyl	115		40-140	%REC	1	10/26/14 04:58 PM
Surr: Tetrachloro-m-xylene	113		40-140	%REC	1	10/26/14 04:58 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-14
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-14
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1260	0.46		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 05:14 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 05:14 PM
PCBs, Total	0.46		0.10	µg/wipe	1	10/26/14 05:14 PM
Surr: Decachlorobiphenyl	114		40-140	%REC	1	10/26/14 05:14 PM
Surr: Tetrachloro-m-xylene	110		40-140	%REC	1	10/26/14 05:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 31-Oct-14**Client:** ENVIRON International Corp.**Project:** Indianapolis, IN**Work Order:** 14101470**Sample ID:** 102314-15**Lab ID:** 14101470-15**Collection Date:** 10/23/14**Matrix:** WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 05:30 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 05:30 PM
Surr: Decachlorobiphenyl	120		40-140	%REC	1	10/26/14 05:30 PM
Surr: Tetrachloro-m-xylene	114		40-140	%REC	1	10/26/14 05:30 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-16
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-16
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1260	0.27		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 05:46 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 05:46 PM
PCBs, Total	0.27		0.10	µg/wipe	1	10/26/14 05:46 PM
Surr: Decachlorobiphenyl	118		40-140	%REC	1	10/26/14 05:46 PM
Surr: Tetrachloro-m-xylene	109		40-140	%REC	1	10/26/14 05:46 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 31-Oct-14**Client:** ENVIRON International Corp.**Project:** Indianapolis, IN**Work Order:** 14101470**Sample ID:** 102314-27**Lab ID:** 14101470-27**Collection Date:** 10/23/14**Matrix:** WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 09:49 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 09:49 PM
Surr: Decachlorobiphenyl	120		40-140	%REC	1	10/26/14 09:49 PM
Surr: Tetrachloro-m-xylene	114		40-140	%REC	1	10/26/14 09:49 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-28
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-28
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1260	0.12		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 10:06 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 10:06 PM
PCBs, Total	0.12		0.10	µg/wipe	1	10/26/14 10:06 PM
Surr: Decachlorobiphenyl	121		40-140	%REC	1	10/26/14 10:06 PM
Surr: Tetrachloro-m-xylene	113		40-140	%REC	1	10/26/14 10:06 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-29
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-29
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1260	0.28		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 10:22 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 10:22 PM
PCBs, Total	0.28		0.10	µg/wipe	1	10/26/14 10:22 PM
Surr: Decachlorobiphenyl	119		40-140	%REC	1	10/26/14 10:22 PM
Surr: Tetrachloro-m-xylene	110		40-140	%REC	1	10/26/14 10:22 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 31-Oct-14

Client: ENVIRON International Corp.
Project: Indianapolis, IN
Sample ID: 102314-30
Collection Date: 10/23/14

Work Order: 14101470
Lab ID: 14101470-30
Matrix: WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1260	0.19		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 10:38 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 10:38 PM
PCBs, Total	0.19		0.10	µg/wipe	1	10/26/14 10:38 PM
Surr: Decachlorobiphenyl	118		40-140	%REC	1	10/26/14 10:38 PM
Surr: Tetrachloro-m-xylene	111		40-140	%REC	1	10/26/14 10:38 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp**Date:** 31-Oct-14**Client:** ENVIRON International Corp.**Project:** Indianapolis, IN**Work Order:** 14101470**Sample ID:** Equip Blank**Lab ID:** 14101470-31**Collection Date:** 10/23/14**Matrix:** WIPE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>						
PCBS			SW8082		Prep: EPA/600/R-07 / 10/24/14	Analyst: JG
Aroclor 1016	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1221	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1232	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1242	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1248	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1254	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1260	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1262	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Aroclor 1268	U		0.10	µg/wipe	1	10/26/14 10:54 PM
PCBs, Total	U		0.10	µg/wipe	1	10/26/14 10:54 PM
Surr: Decachlorobiphenyl	125		40-140	%REC	1	10/26/14 10:54 PM
Surr: Tetrachloro-m-xylene	119		40-140	%REC	1	10/26/14 10:54 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: ENVIRON International Corp.

QC BATCH REPORT

Work Order: 14101470

Project: Indianapolis, IN

Batch ID: 64313

Instrument ID GC14

Method: SW8082

MBLK		Sample ID: MBLK-64313-64313				Units: µg/wipe		Analysis Date: 10/26/14 12:55 PM		
Client ID:		Run ID: GC14_141025A		SeqNo: 3006465		Prep Date: 10/24/14		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	0.10								
Aroclor 1221	U	0.10								
Aroclor 1232	U	0.10								
Aroclor 1242	U	0.10								
Aroclor 1248	U	0.10								
Aroclor 1254	U	0.10								
Aroclor 1260	U	0.10								
Aroclor 1262	U	0.10								
Aroclor 1268	U	0.10								
PCBs, Total	U	0.10								
Surr: Decachlorobiphenyl	1.081	0	1	0	108	50-130	0			
Surr: Tetrachloro-m-xylene	1.022	0	1	0	102	50-130	0			

LCS				Sample ID: LCS-64313-64313				Units: µg/wipe			Analysis Date: 10/26/14 01:11 PM		
Client ID:				Run ID: GC14_141025A				SeqNo: 3006466		Prep Date: 10/24/14		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Aroclor 1016	4.913	0.10	5	0	98.3	50-130	0						
Aroclor 1260	5.044	0.10	5	0	101	50-130	0						
Surr: Decachlorobiphenyl	1.233	0	1.1	0	112	50-130	0						
Surr: Tetrachloro-m-xylene	1.174	0	1.1	0	107	50-130	0						

The following samples were analyzed in this batch:

14101470-01A	14101470-02A	14101470-03A
14101470-04A	14101470-05A	14101470-06A
14101470-07A	14101470-08A	14101470-09A
14101470-10A	14101470-11A	14101470-12A
14101470-13A	14101470-14A	14101470-15A
14101470-16A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ENVIRON International Corp.
 Work Order: 14101470
 Project: Indianapolis, IN

QC BATCH REPORT

Batch ID: **64314** Instrument ID **GC14** Method: **SW8082**

MBLK		Sample ID: MBLK-64314-64314				Units: µg/wipe		Analysis Date: 10/26/14 07:23 PM		
Client ID:		Run ID: GC14_141025A				SeqNo: 3006490		Prep Date: 10/24/14		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	0.10								
Aroclor 1221	U	0.10								
Aroclor 1232	U	0.10								
Aroclor 1242	U	0.10								
Aroclor 1248	U	0.10								
Aroclor 1254	U	0.10								
Aroclor 1260	U	0.10								
Aroclor 1262	U	0.10								
Aroclor 1268	U	0.10								
PCBs, Total	U	0.10								
<i>Surr: Decachlorobiphenyl</i>	1.124	0	1	0	112	50-130	0			
<i>Surr: Tetrachloro-m-xylene</i>	1.022	0	1	0	102	50-130	0			

LCS		Sample ID: LCS-64314-64314				Units: µg/wipe		Analysis Date: 10/26/14 07:40 PM		
Client ID:		Run ID: GC14_141025A				SeqNo: 3006491		Prep Date: 10/24/14		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	4.905	0.10	5	0	98.1	50-130	0			
Aroclor 1260	5.056	0.10	5	0	101	50-130	0			
<i>Surr: Decachlorobiphenyl</i>	1.257	0	1.1	0	114	50-130	0			
<i>Surr: Tetrachloro-m-xylene</i>	1.14	0	1.1	0	104	50-130	0			

The following samples were analyzed in this batch:

14101470-17A	14101470-18A	14101470-19A
14101470-20A	14101470-21A	14101470-22A
14101470-23A	14101470-24A	14101470-25A
14101470-26A	14101470-27A	14101470-28A
14101470-29A	14101470-30A	14101470-31A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Sample Receipt Checklist

Client Name: **ENVIRONINT - FL**

Date/Time Received: **24-Oct-14 09:30**

Work Order: **14101470**

Received by: **KRW**

Checklist completed by Keith Wurenga
eSignature

24-Oct-14
Date

Reviewed by: Chad Whilton
eSignature

25-Oct-14
Date

Matrices: **Wipe**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>4.8 C</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>10/24/2014 3:28:13 PM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: